EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	125	mobility adj probe$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 13:36
L2	39	mobility adj (tag$1 or tagged)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 13:37
L3	164	l1 or l2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 13:37
L4	130199	hybridi$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 13:38
L5	78	l3 and l4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 13:38
L6	35987	435/6[ccls]	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 13:38
L7	61	l5 and l6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 13:40
L8	1122971	@rlad<"20021119"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 13:40
L9	38	l7 and l8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 13:57

EAST Search History

L10	2	6395486[pn]	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 14:02
L11	374	mobility adj modif$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 14:02
L12	248	l4 and l11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 14:03
L13	169	l6 and l12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 14:03
L14	101	l8 and l13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 14:03
L15	86	l14 not l9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 14:04
L16	86	l15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 14:05
L17	15907	hybridi$ and 435/6[ccls] and @rlad<"20021119"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 14:06
L18	124	l17 and (mobility adj (probe$1 or tag$1 or tagged or modif$))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 14:15
L19	75	l18 and ligat$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/17 14:15

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NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
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NEWS 11 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
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NEWS 15 APR 12 Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS 16 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 17 MAY 11 KOREAPAT updates resume
NEWS 18 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 19 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS 20 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 21 JUN 02 The first reclassification of IPC codes now complete in INPADOC

NEWS EXPRESS JUNE 16 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 23 MAY 2006.

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FILE LAST UPDATED: 16 Jun 2006 (20060616/ED)

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=> s (mobility (w)(tag? or modif?))/bi,ab 166265 MOBILITY/BI
144183 MOBILITY/AB 56497 TAG?/BI
47604 TAG?/AB 979055 MODIF?/BI
839612 MODIF?/AB
L1 65 (MOBILITY (W)(TAG? OR MODIF?))/BI,AB

=> s hybridi?/bi,ab 172558 HYBRIDI?/BI 147647 HYBRIDI?/AB
L2 172558 HYBRIDI?/BI,AB

=> s l1 and l2
L3 10 L1 AND L2

=> d his
(FILE 'HOME' ENTERED AT 14:19:15 ON 17 JUN 2006)
FILE 'CAPLUS' ENTERED AT 14:19:29 ON 17 JUN 2006
L1 65 S (MOBILITY (W)(TAG? OR MODIF?))/BI,AB
L2 172558 S HYBRIDI?/BI,AB
L3 10 S L1 AND L2

=> d l3 1-10 bib ab

L3 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:188958 CAPLUS

TI Mixed micelles as ***mobility*** ***tags*** in capillary zone electrophoresis for the sequence specific separation of DNA oligomers
AU Grosser, Shane T.; Schneider, James W.
CS Department of Chemical Engineering, Carnegie Mellon University, Pittsburgh, PA, 15219, USA
SO Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005 (2005), COLL-257 Publisher: American Chemical Society, Washington, D. C. CODEN: 69GQMP
DT Conference; Meeting Abstract
LA English
AB We present a method to label target DNA sequences with micellar surfactant microstructures to provide for sequence specific sepn. of oligomeric DNA in capillary zone electrophoresis. DNA ***hybridization*** is achieved using a peptide nucleic acid (PNA) appended to an aliph. tail to form a peptide nucleic acid amphiphile (PNAA). PNAA/DNA duplexes demonstrate tunable partitioning to ionic surfactant micelles which is dependent on the DNA oligomer length, aliph. chain length and choice of ionic surfactant system. Electrophoretic mobilities of PNAA in the presence of surfactant micelles have been investigated and a substantial mobility shift has been obsd. Although the mobility shift is greatest when using dialkyl aliph. tails, simply changing the aliph. tail length from 12 to 18 carbon units has a significant impact on the PNAA partitioning behavior. This effect makes possible the multiplexed sepn. of multiple DNA targets by matching PNA sequence to aliph. chain length in a PNAA.

L3 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:14601 CAPLUS
DN 142:108378
TI Method for detection of nucleic acids by ***hybridization*** and ligation to primer extension products with mobility-dependent tags
IN Johnson, Martin D.; Hunkapiller, Michael W.
PA Applera Corporation, USA
SO PCT Int. Appl., 100 pp. CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- -------
PI WO 2005001129 A2 20050106 WO 2004-US15582 20040604 WO 2005001129 A3 20050310 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2005239089 A1 20051027 US 2004-861314 20040604
PRAI US 2003-476434P P 20030606
AB The invention claims a method for detection of nucleic acids using mobility cassettes, which have different mobilities in mobility-dependent anal. techniques. A mobility cassette may comprise a first nucleic acid strand that is a ***mobility*** ***modifier*** and a second nucleic acid strand that contains a tag complement sequence that is complementary to the tag sequence of the analyte nucleic acid. A portion of the second nucleic acid strand ***hybridizes*** to the first nucleic acid strand and at least a portion of the tag complement sequence does not ***hybridize*** to the first nucleic acid strand. When the second nucleic acid strand and the analyte nucleic acid are ***hybridized*** to each other, the first nucleic acid strand tag sequences can be ligated to the analyte tag sequences. Primer extension reactions may be used to generate primer extension products comprising the tag sequences. After at least one cycle of ligation, a ***mobility*** ***modifier*** ligation product may be detected, for example by capillary electrophoresis. The invention claims polyethylene oxide and polynucleotides as ***mobility*** ***modifiers*** . Methods of using mobility cassettes include adaptation of multiplex 5'-exonuclease (Taqman) reactions by post reaction ***mobility*** ***modification*** and adaptation of FEN endonuclease (Invader) allele-specific cleavage products for multiplex electrophoresis anal. The mobility cassettes can also be used to detect probes that ***hybridize*** to adjacent target nucleic acid sequences.

L3 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:414498 CAPLUS
DN 140:401332
TI Detection of nucleic acid sequences by ***hybridization*** and cleavage of hybrids to release sequences labeled with electrophoretic ***mobility*** ***tags***
IN Chenna, Ahmed; Singh, Sharat
PA Aclara Biosciences, Inc., USA
SO U.S. Pat. Appl. Publ., 124 pp., Cont.-in-part of U.S. Ser. No. 698,846. CODEN: USXXCO
DT Patent
LA English
FAN.CNT 32 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- -------
PI US 2004096825 A1 20040520 US 2001-11201 20011109 US 7037654 B2 20060502 US 6322980 B1 20011127 US 1999-303029 19990430 US 6682887 B1 20040127 US 2000-561579 20000428 US 6514700 B1 20030204 US 2000-602586 20000621 US 6627400 B1 20030930 US 2000-698846 20001027 WO 2003042658 A2 20030522 WO 2002-US35893 20021108 WO 2003042658 A3 20031204 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2005053939 A1 20050310 US 2004-494879 20040507
PRAI US 1999-303029 A2 19990430 US 2000-561579 A2 20000428 US 2000-602586 A2 20000621 US 2000-684386 B2 20001004 US 2000-698846 A2 20001027 US 2001-11201 A2 20011109 US 2001-337982P P 20011109 WO 2002-US35893 W 20021108
AB A method of simultaneously detecting a no. of different sequences within a sample using pairs of probes that form a duplex structure when ***hybridized*** to the target sequence in the correct orientation is described. One member of

the pair of probes is labeled with a tag that has a specific electrophoretic mobility. Cleavage of the duplex structures, e.g., with a restriction enzyme, releases electrophoretic tags that are then sepd. and identified to indicate the presence or quantity of the target sequences. The present invention is particularly useful in multiplex reactions wherein multiple target sequences are detected in one reaction. Kits useful in the detection of nucleic acids are also provided.
RE.CNT 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:293297 CAPLUS
DN 140:316192
TI Detection of nucleic acid sequences by ***hybridization*** and cleavage of hybrids to release sequences labeled with electrophoretic ***mobility*** ***tags***
IN Chenna, Ahmed; Xiao, Vivian; Singh, Sharat
PA USA
SO U.S. Pat. Appl. Publ., 45 pp., Cont.-in-part of U.S. Ser. No. 602,586. CODEN: USXXCO
DT Patent
LA English
FAN.CNT 32 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- -------
PI US 2004067498 A1 20040408 US 2002-289309 20021106 US 6682887 B1 20040127 US 2000-561579 20000428 US 6514700 B1 20030204 US 2000-602586 20000621
PRAI US 2000-561579 A2 20000428 US 2000-602586 A2 20000621 US 2001-337686P P 20011109 US 1999-303029 A2 19990430
AB A method of simultaneously detecting a no. of different sequences within a sample using pairs of probes that form a duplex structure when ***hybridized*** to the target sequence in the correct orientation is described. One member of the pair of probes is labeled with a tag that has a specific electrophoretic mobility. Cleavage of the duplex structures, e.g., with a restriction enzyme, releases electrophoretic tags that are then sepd. and identified to indicate the presence or quantity of the target sequences. The present invention is particularly useful in multiplex reactions wherein multiple target sequences are detected in one reaction. Kits useful in the detection of nucleic acids are also provided.

L3 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:397081 CAPLUS
DN 138:397219
TI Detection of nucleic acid sequences by ***hybridization*** and cleavage of hybrids to release sequences labeled with affinity and electrophoretic ***mobility*** ***tags***
IN Chenna, Ahmed; Singh, Sharat
PA Aclara Biosciences, Inc., USA
SO PCT Int. Appl., 200 pp. CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 32 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- -------
PI WO 2003042658 A2 20030522 WO 2002-US35893 20021108 WO 2003042658 A3 20031204 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2004096825 A1 20040520 US 2001-11201 20011109 US 7037654 B2 20060502 US 2005053939 A1 20050310 US 2004-494879 20040507
PRAI US 2001-11201 A2 20011109 US 2001-337982P P 20011109 US 1999-303029 A2 19990430 US 2000-561579 A2 20000428 US 2000-602586 A2 20000621 US 2000-684386 B2 20001004 US 2000-698846 A2 20001027 WO 2002-US35893 W 20021108
OS MARPAT 138:397219
AB Probe sets for the simultaneous detection of multiple sequences in a complex nucleic acid sample are described. The method uses pairs of probes that will ***hybridize*** to one another to form a cleavable structure when their target sequences are in a defined relationship. Cleavage of the structure releases a sequence that includes a moiety that alters the electrophoretic mobility of the released sequence and a moiety that can be used as an affinity label for rapid enrichment of cleavage products. In a multiplexed assay, different released e-tag reporters may be sepd. and detected providing for target identification. The probes comprise interactive functionalities adjacent the cleaved portion positioned in the probes such that the interactive functionality does not form part of the e-tag reporters. Also described are biopolymers and nucleosides contg. such interactive functionalities.

L3 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:397080 CAPLUS
DN 139:1969
TI Detection of nucleic acid sequences by ***hybridization*** and cleavage of hybrids to release sequences labeled with electrophoretic ***mobility*** ***tags***
IN Chenna, Ahmed; Xiao, Vivian; Singh, Sharat
PA Aclara Biosciences Inc., USA
SO PCT Int. Appl., 81 pp. CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 32 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- -------
PI WO 2003042657 A2 20030522 WO 2002-US35552 20021106 WO 2003042657 A3 20041028 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG CA 2465588 AA 20030522 CA 2002-2465588 20021106 EP 1497455 A2 20050119 EP 2002-795593 20021106 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK JP 2005511033 T2 20050428 JP 2003-544441 20021106

PRAI US 2001-337686P P 20011109 WO 2002-US35552 W 20021106
AB A method of simultaneously detecting a no. of different sequences within a sample using pairs of probes that form a duplex structure when ***hybridized*** to the target sequence in the correct orientation is described. One member of the pair of probes is labeled with a tag that has a specific electrophoretic mobility. Cleavage of the duplex structures, e.g. with a restriction enzyme, releases electrophoretic tags that are then sepd. and identified to indicate the presence or quantity of the target sequences. The present invention is particularly useful in multiplex reactions wherein multiple target sequences are detected in one reaction. Kits useful in the detection of nucleic acids are also provided.

L3 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:376266 CAPLUS
DN 138:365125
TI Methods for detecting a plurality of analytes by chromatography
IN Chenna, Ahmed; Matray, Tracy J.; Hernandez, Vincent S.; Hooper, Herbert; Singh, Sharat
PA USA
SO U.S. Pat. Appl. Publ., 26 pp. CODEN: USXXCO
DT Patent
LA English
FAN.CNT 32 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- -------
PI US 2003092012 A1 20030515 US 2001-10949 20011109 WO 2003042398 A2 20030522 WO 2002-US35864 20021108 WO 2003042398 A3 20030703 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2003235832 A1 20031225 US 2002-290613 20021108 US 2005048553 A1 20050303 US 2004-918876 20040816
PRAI US 1999-303029 A2 19990430 US 2000-561579 A2 20000428 US 2000-602586 A2 20000621 US 2000-698846 A2 20001027 US 2001-10949 A 20011109 US 2002-290613 A3 20021108
AB The invention provides a method for detecting a target nucleic acid sequence or other analyte such as protein, peptide, polysaccharide, lipid, or small mol. The method involves contacting one or more target nucleic acid sequences with a set of tagged probes under conditions sufficient for ***hybridization*** of a target nucleic acid sequence with a tagged probe, the tagged probes comprising a ***mobility*** ***modifier*** attached to a nucleic acid target binding moiety by a bond that is cleavable by a nuclease, the nucleic acid target binding moiety contg. at least one bond resistant to said nuclease; treating the tagged probe ***hybridized*** to the target nucleic acid with a nuclease under conditions sufficient for cleavage of the nuclease-cleavable bond to release a tag reporter; sepg. a tag reporter using a chromatog. method, and detecting a tag reporter corresponding to a known target sequence. The tagged probe may also comprise a ***mobility*** ***modifier*** attached to a target binding moiety by a bond that is cleavable by visible light. A multiplexed sandwich immunoassay for six cytokines (IL-4, IL-6, IL-8, IL-10, TNF.alpha., and IFN.gamma.) was conducted using antibodies each tagged with a specific different light-cleavable carboxyfluorescein- derived tag (prepn. given) and second antibodies conjugated to a sensitizer. Released tags were sepd. using HPLC and detected using a fluorescence detector.

L3 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:814370 CAPLUS
DN 137:334001
TI Polyalkylene oxide-modified oligonucleotides and their use in ***hybridization*** , amplification, and sequencing
IN Woo, Sam L.; Graham, Ron; Tian, Jing
PA PE Corporation (NY), USA
SO PCT Int. Appl., 93 pp. CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- -------
PI WO 2002083954 A1 20021024 WO 2002-US11824 20020415 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2002182602 A1 20021205 US 2001-836704 20010416 US 6743905 B2 20040601 CA 2443122 AA 20021024 CA 2002-2443122 20020415 EP 1379698 A1 20040114 EP 2002-731376 20020415 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR JP 2004535382 T2 20041125 JP 2002-581694 20020415 US 2005042644 A1 20050224 US 2004-856752 20040528
PRAI US 2001-836704 A 20010416 WO 2002-US11824 W 20020415
OS MARPAT 137:334001
AB The present invention relates generally to nucleic acid functionalizing reagents, to ***mobility*** - ***modified*** sequence-specific nucleic acids, to compns. comprising a plurality of ***mobility*** - ***modified*** sequence-specific nucleic acids, and to the use of such nucleic acids and compns. in a variety of assays, such as, for example, for the detection of a plurality of selected nucleotide sequences within one or more target nucleic acids. The ***mobility*** - ***modifying*** reagents of the present invention comprise polyoxyalkylene phosphoramidites which can be joined to other ***mobility*** - ***modifying*** monomers and to sequence-specific nucleic acids via uncharged phosphate triester linkages. Addn. of the ***mobility*** - ***modifying*** phosphoramidite reagents of the present invention to oligonucleotides results in unexpectedly large effects on the mobility of those modified oligonucleotides, esp. upon capillary electrophoresis in non-sieving media. Thus, a 15-residue deoxyribo-oligonucleotide tagged on the 5'-terminus with fluorescein linked to HO(CH2CH2O)5P(:O)(OEt)O(CH2CH2O)5P(:O)(OEt)- and on the 3'-terminus with PEG 5000 was used in an invader assay to detect SNPs in the human tumor necrosis factor .alpha. gene.

RE.CNT 6. THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:276209 CAPLUS
DN 136:289912
TI Multiplexed differential displacement for nucleic acid determinations
IN Singh, Sharat; Inamdar, Anita; Ullman, Edwin F.; Cao, Liching; Albagli, David
PA Aclara Biosciences, Inc., USA
SO PCT Int. Appl., 43 pp. CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- -------
PI WO 2002029109 A2 20020411 WO 2001-US31326 20011005 WO 2002029109 A3 20031120 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2002045182 A1 20020418 US 2001-929333 20010813 AU 2001096668 A5 20020415 AU 2001-96668 20011005 US 2003013117 A1 20030116 US 2002-245030 20020916
PRAI US 2000-684590 A 20001005 US 1999-354629 A2 19990716 US 2000-609279 A2 20000630 WO 2001-US31326 W 20011005
AB Multiplexed detns. of large nos. of events are achieved in an accurate and simple manner by using a multitude of primer reagents in combination with different capture reagents that serve for sequestering all the reagents at a single site, followed by independent release of subsets of the primer reagents using differential release conditions. Also included as part of the primer reagents may be identifiers, which serve to identify a particular characteristic. The method is illustrated using primers with sequences for initiation of chain extension that are joined to or serve as a capture sequence, and where the extended primer has an identifier. After extending the primer, the extended primers are sequestered via the capture sequence onto a sequestering agent, sequentially released and the released extended primers analyzed to provide multiplexed detns. The subject method finds application for nucleic acid sequencing, single nucleotide polymorphism detns., identification of nucleic acid fragments, and the like.

L3 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2000:666919 CAPLUS
DN 133:248032
TI Probe/ ***mobility*** ***modifier*** complexes for multiplex DNA sequence analysis
IN Grossman, Paul D.
PA The Perkin-Elmer Corporation, USA
SO PCT Int. Appl., 31 pp. CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- ---------- -------
PI WO 2000055368 A2 20000921 WO 2000-US6221 20000310 WO 2000055368 A3 20010405 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG CA 2365125 AA 20000921 CA 2000-2365125 20000310 EP 1161563 A2 20011212 EP 2000-913853 20000310 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO US 6395486 B1 20020528 US 2000-522640 20000310 JP 2002538839 T2 20021119 JP 2000-605784 20000310 JP 3628614 B2 20050316 AU 775179 B2 20040722 AU 2000-35218 20000310 US 6734296 B1 20040511 US 2000-724730 20001128 US 2005112594 A1 20050526 US 2004-769288 20040129 AU 2004202467 A1 20040701 AU 2004-202467 20040603
PRAI US 1999-124386P P 19990315 AU 2000-35218 A3 20000310 US 2000-522640 A3 20000310 WO 2000-US6221 W 20000310 US 2000-724730 A3 20001128
AB The invention relates to compns. and methods for the anal. of multiple nucleic acid target sequences are disclosed. The compns. comprise a probe comprising a target-specific portion for sequence-specific ***hybridization*** to a target nucleic acid sequence, and a tag; and a ***mobility*** - ***modifier*** comprising a tail and a tag complement for binding to the tag. The assocd. methods generally comprise the steps of providing a sample potentially contg. one or more target nucleic acid sequences; providing one or more probes, each probe comprising a target-specific portion and a tag; providing one or more ***mobility*** ***modifiers*** , each ***mobility*** ***modifier*** comprising a tag complement and a tail; contacting the probe(s) and the target nucleic acid sequence(s) under conditions effective for sequence-dependent ***hybridization*** of the probe(s) and the target nucleic acid sequence(s); contacting the probe(s) and the ***mobility*** - ***modifier*** (s) under conditions suitable for selectively binding the probe(s) to the ***mobility*** ***modifier*** (s), thereby forming one or more probe/ ***mobility*** ***modifier*** complex(s); and analyzing the probe/ ***mobility*** ***modifier*** complex(s) using a mobility-dependent anal. technique.

=> d his
(FILE 'HOME' ENTERED AT 14:19:15 ON 17 JUN 2006)
FILE 'CAPLUS' ENTERED AT 14:19:29 ON 17 JUN 2006
L1 65 S (MOBILITY (W)(TAG? OR MODIF?))/BI,AB
L2 172558 S HYBRIDI?/BI,AB
L3 10 S L1 AND L2

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